

Focus Area 1

## Diversifying Supply

Lead: [Bruce Moyer](#), ORNL

Deputy: [R. Scott Herbst](#), INL

### New Sources of Critical Materials

[C. Anderson](#), CSM

Advanced Beneficiation Techniques;  
[A. Stack](#), ORNL (1.1.1)

Recovery of REEs and Uranium from  
Phosphate Ore Processing;  
[D. DePaoli](#), ORNL (1.1.2)

Improved Methods for Lithium  
Extraction; [S. Harrison](#), Simbol  
(1.1.3)

### Transformational Processing

[R.S. Herbst](#), INL

Enhanced Separation of Adjacent  
REEs; [R.S. Herbst](#), INL (1.2.1)

Conversion to Metal, Alloys, and  
Materials; [P. Taylor](#), CSM (1.2.2)

Ionic-Liquid Separation Processes;  
[S. Dai](#), ORNL (1.2.3)

Computational Prescreening of  
Ligands; [T. Windus](#), Ames (1.2.4)

### New Uses for Co-Products

[O. Rios](#), ORNL

Development of High Cerium  
Content Aluminum Alloys;  
[O. Rios](#), ORNL (1.3.2)

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